



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁷ : H04L 9/00</p>	<p>A1</p>	<p>(11) International Publication Number: WO 00/57595</p> <p>(43) International Publication Date: 28 September 2000 (28.09.00)</p>
<p>(21) International Application Number: PCT/SG99/00020</p> <p>(22) International Filing Date: 22 March 1999 (22.03.99)</p> <p>(71) Applicant (for all designated States except US): KENT RIDGE DIGITAL LABS [SG/SG]; 21 Heng Mui Kent Terrace, Singapore 119613 (SG).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): BAO, Feng [CN/SG]; 37 West Coast Park, #04-06, Parkview Condo, Singapore 127653 (SG). DENG, Huijie, Robert [SG/SG]; 2 Namly Rise, Singapore 267110 (SG).</p> <p>(74) Agent: HELEN YEO & PARTNERS; 80 Raffles Place, #33-00 UOB Plaza 1, Singapore 048624 (SG).</p>		<p>(81) Designated States: JP, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published</p> <p><i>With international search report.</i></p> <p><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p>(54) Title: METHOD AND APPARATUS FOR ENCRYPTING AND DECRYPTING DATA</p>		
<p>(57) Abstract</p> <p>A method and apparatus for encrypting and decrypting data is disclosed which employs two or more cryptographic algorithms to achieve high throughput without compromising security. The invention is especially useful for software implementation to protect large amounts of multimedia data over high-speed communication channels.</p>		

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graph TD
    100["Divide data into segments d1, d2, ..., di, ...; input shared key k and initial value v0; set i = 0."] --> 110{"More data segment?"}
    110 -- No --> Stop[Stop]
    110 -- Yes --> 120["i := i + 1;  
v1 := F(vi, i);  
si := R(k, vi);  
ci := E(si, di)"]
    120 --> 130[Send ci]
    130 --> 110
  
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